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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/857,052	05	5/29/2001	Sunil Keshavji Vadgama	FUJL 18.168	7791
26304	7590	01/26/2005		EXAMINER	
		ZAVIS ROSENM	WANG, TED M		
575 MADISON AVENUE NEW YORK, NY 10022-2585				ART UNIT	PAPER NUMBER
	,			2634	
				DATE MAILED: 01/26/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		T					
		Application No.	Applicant(s)				
		09/857,052	VADGAMA ET AL.				
	Office Action Summary	Examin r	Art Unit				
		Ted M Wang	2634				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover she twith the c	correspondence address				
THE - External after - If the control of the contro	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply or period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C.§ 133).				
Status							
1)🖂	Responsive to communication(s) filed on 29 M	av 2001.					
2a)□							
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
4) Claim(s) 36-71 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 36-71 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to solution.							
Applicati	ion Papers						
9)	The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>5/29/2001</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	, , , ,	,				
Priority (ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
	\$ ·						
2) Notice 3) Inform	te of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date 5/29/2001.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:					

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DETAILED ACTION

Priority

1. An application in which the benefits of an earlier application are desired must contain a specific reference to the prior application(s) in the first sentence of the specification or in an application data sheet (37 CFR 1.78(a)(2) and (a)(5)). The specific reference to any prior nonprovisional application must include the relationship (i.e., continuation, divisional, or continuation-in-part) between the applications except when the reference is to a prior application of a CPA assigned the same application number.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: O_M and SEL as described in page 10 and 13. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Allowable Subject Matter

- 3. Claims 36-71 are allowed.
- 4. The following is an examiner's statement of reasons for allowance.

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The prior art fails to teach an apparatus of Claims 36-71 that specifically comprises the following:

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-- The instant application is deemed to be directed to a non-obvious improvement over the PAT. No. US 4,996,532, 5,917,446, 6,111,816, and 6,428,477. The improvement comprises an assistant beamformer which in an initial operating phase of the apparatus, processes such received signals in accordance with each one of a plurality of different assistant beam patterns to derive one or more output signals corresponding to the assistant beam pattern concerned, each such pattern being determined by beam control information corresponding individually thereto; and a beam control information setting unit which employs said output signals and said beam control information corresponding respectively to said assistant beam patterns to make an initial estimate of said beam control information for said main beamformer in order to reduce the multiple access interference (page 1 lines 20-28).

The prior arts listed above teach only a plurality of beam formers process at the same time.

Conclusion

This application is in condition for allowance except for the following formal matters:
 The drawing is objected by the examiner.

Prosecution on the merits is closed in accordance with the practice under *Ex parte* Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Chin can be reached on (571) 272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Ted M Wang Examiner Art Unit 2634

Ted M Wang January 21, 2005

> SHUMANG LIU PRIMARY EXAMINER

Sharay Tai